Targeted resequencing of 52 bone marrow failure genes in patients with aplastic anemia reveals an increased frequency of novel variants of unknown significance only in SLX4

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Supplementary Table – 11 BMF syndromes and their associated genes included in the study

BMF syndrome	Gene associated	Chromosomal coordinates
Fanconi anemia (FA)	*BRCA2*	chr13:32,945,093-32,953,652
	BRIP1	chr17:59,762,133-59,858,366
	FANCA	chr16:89,806,149-89,831,474
	FANCB	chrX:14,861,529-14,891,184
	FANCC	chr9:97,861,336-98,079,536
	FANCD2	chr3:10,091,058-10,143,614
	FANCE	chr6:35,420,138-35,434,881
	FANCF	chr11:22,644,079-22,647,387
	FANCG	chr9:35,075,462-35,079,898
	FANCI	chr15:89,787,194-89,860,362
	FANCL	chr2:58,387,243-58,468,515
	FANCM	chr14:45,644,274-45,670,093
	PALB2	chr16:23,614,483-23,652,678
	RAD51C	chr17:56,769,963-56,772,241
	SLX4	chr16:3,650,622-3,661,585
Dyskeratosis congenita (DC)	*CTC1*	chr17:8,128,139-8,151,413
	DKC1	chrX:153,991,031-154,005,964
	NHP2	chr5:177,576,465-177,580,961
	NOP10	chr15:34,633,917-34,635,362
	RTEL1	chr20:62,289,667-62,328,544
	TERC	chr3:169,482,398-169,482,848
	TERT	chr5:1,278,756-1,295,162
	TINF2	chr14:24,708,851-24,711,880
	USB1	chr16:58,035,277-58,055,527
	WRAP53	chr17:7,604,059-7,605,807
Familial myelodysplasia leukemia (FML)	*AML1*	chr21:36,160,098-36,421,595
	CEBPA	chr19:33,790,840-33,793,430
	GATA2	chr3:128,198,265-128,212,030
	SRP72	chr4:57,333,762-57,369,847
Shwachman-Diamond syndrome (SDS)	*SBDS*	chr7:66,452,690-66,460,588
Diamond-Blackfan anemia (DBA)	*RPL5*	chr1:93,301,784-93,306,565
	RPL11	chr1:24,018,269-24,022,915
	RPL26	chr17:8,280,834-8,286,565
	RPL35A	chr3:197,677,095-197,682,721
	RPS7	chr2:3,625,381-3,628,509
	RPS10	chr6:34,385,231-34,393,902
	RPS17	chr15:82,821,161-82,906,047
	RPS19	chr19:42,363,988-42,375,484
	RPS24	chr10:79,793,518-79,800,473
	RPS26	chr12:56,435,686-56,438,007
Severe congenital neutropenia (SCN)	*CSF3R*	chr1:36,931,644-36,948,915
	ELANE	chr19:852,291-856,246
	G6PC3	chr17:42,148,098-42,153,712
	GFI1	chr1:92,940,318-92,952,433
	HAX1	chr1:154,245,039-154,248,355
Congenital dyserythropoietic anemia (CDA)	*CDAN1*	chr15:43,024,531-43,027,572
	KLF1	chr19:12,995,237-12,998,017
	SEC23B	chr20:18,488,188-18,542,059
Wiskot Aldrich syndrome (WAS)	*WAS*	chrX:48,542,186-48,549,817
Barth syndrome	*TAZ*	chrX:153,640,181-153,650,063
WHIM syndrome	*CXCR4*	chr2:136,871,919-136,875,307
Congenital amegakaryocytic thrombocytopenia (CAMT)	*MPL*	chr1:43,803,475-43,820,135